

Work Order ID 60898

Page 1

Monday, July 26, 2010 1:56:47 PM

Item ID:	D4151-043	Accept		Setup	Start				
Revision ID:						Stop			
Item Name:	Basket Fwd Hardpoint Assembly, Upper								
Start Date:	7/26/2010	Start Qty:	4.00		Cust Item ID:				
Required Date:	8/2/2010	Req'd Qty:	4.00		Customer:				
Reference:									
Approvals:	Process Plan:	<i>PL</i>	Date: <i>10/7/24</i>	Tooling:	Date:		Run	Start	
	QC:		Date: _____	SPC (Y/N):	Date: _____		Stop		

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
100		0.00							
Small Fab	Memo	0.00							
Small Fab	1- Assemble as per dwg Trim rivets to 1.250" long								
110	QC5- Inspect part completeness to step on W/O	0.00							
QC	Memo	0.00	<i>510/08/25</i>						
Quality Control			<i>74</i>						
120	Identify as per dwg & Stock Location: <i>124</i>	0.00							
Packaging	Memo	0.00							
Packaging									

EP 10/08/25 74

74

74

10/08/25 74

W/O: 60898		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/08/25	# 100	Perm. Change Remove note to trim 2 sets. no longer needed now Assemblies with Baffles	<i>[Signature]</i>	10/08/25			<i>S</i> 10/08/25	

Part No: D4151-043 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 60898

Page 2

Monday, July 26, 2010 1:56:47 PM

Item ID: D4151-043

Accept



Setup Start



Revision ID:

Item Name: Basket Fwd Hardpoint Assembly, Upper

Stop



Start Date: 7/26/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 8/2/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberReject
StampInsp.
Stamp

130



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/08/26 AJ

MF

10-8-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Monday, July 26, 2010 1:56:51 PM

Page 1

Work Order ID: 60898



Parent Item: D4151-043



Parent Item Name: Basket Fwd Hardpoint Assembly, Upper

Start Date: 7/26/2010

Required Date: 8/2/2010

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A 10.06.24 new issue DD verf:EC
IPP Rev:B 10.07.22 as per revB DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4151-3 		Manufactured		No		100	Each	0.0000	2	8	B61015 (8x) <i>7/30/08/25</i>		
Upper Hardpoint Plate 		Manufactured		No		100	Each	0.0000	1	4	B61233 (4x) <i>7/30/08/25</i>		
D4151-7 		Manufactured		No		100	Each	0.0000	2	8	M115457 (8x) <i>7/30/08/25</i>		
Fwd Eyebolt Receiver (Upper) 		Purchased		No		100	Each	0.0000	2	8	M115457 (8x) <i>7/30/08/25</i>		
AN3C13A 		Purchased		No		100	Each	2,985.000	2	8	M115457 (8x) <i>7/30/08/25</i>		
Bolt 		Purchased		No		100	Each	2,985.000	2	8	M115457 (8x) <i>7/30/08/25</i>		
MS21043-3 		Purchased		No		100	Each	2,985.000	2	8	M115457 (8x) <i>7/30/08/25</i>		
Nut 		Purchased		No		100	Each	3,480.000	4	16	M115457 (8x) <i>7/30/08/25</i>		
NAS1149C0332R 		Purchased		No		100	Each	3,480.000	4	16	M115457 (8x) <i>7/30/08/25</i>		
Washer 		Purchased		No		ST297		3480			ST297 <i>7/30/08/25</i>		
						113524		10			113524 <i>7/30/08/25</i>		
						113737		150			113737 <i>7/30/08/25</i>		
						115000		3320			115000 <i>7/30/08/25</i>		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

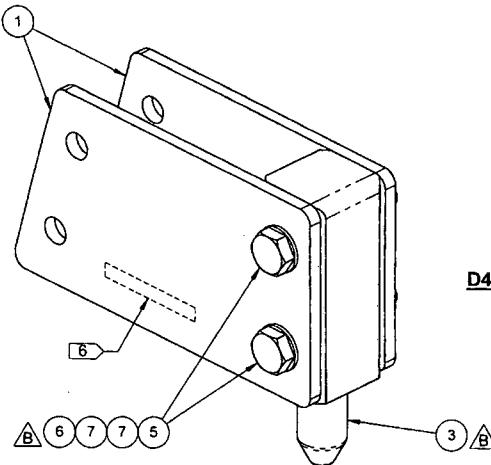
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

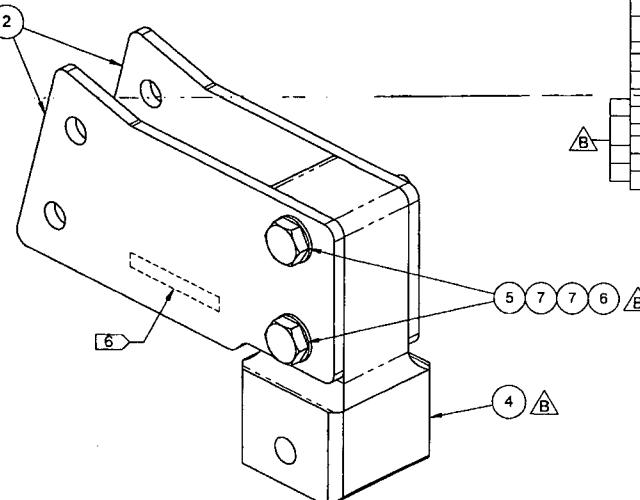
ITEM	QTY 041	QTY 043	P/N	DESCRIPTION
	X		D4151-041	BASKET FWD HARPOINT ASSY (LOWER)
		X	D4151-043	BASKET FWD HARPOINT ASSY (UPPER)
1	2		D4151-1	LOWER HARPOINT PLATE
2	2		D4151-3	UPPER HARPOINT PLATE
3	1		D4151-5	FWD BASKET INSTL STUD (LOWER)
4		1	D4151-7	FWD EYEBOLT RECEIVER (UPPER)
5	2	2	AN3C13A	BOLT
6	2	2	MS21043-3	NUT
7	4	4	NAS1149C0332R	WASHER

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 60898
2810-7-26

RELEASED
2010-07-16
M



D4151-043 BASKET FWD HARPOINT ASSY (UPPER)



D4151-041 BASKET FWD HARPOINT ASSY (LOWER)

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4151-04X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT:
 - D4151-041 = 0.84 lbs
 - D4151-043 = 1.17 lbs

B	ADDED D4151-5/7 (SHT 3); D4151-5 WAS D3911-1 (ZN B6-1 & D3-1); D4151-7 WAS D3911-3 (ZN C4-1 & D3-1) (ITEMS #5, 6 & 7 REPLACE MS20615-M20 (ZN C3-1, D3-1 & B6-1); Ø0.191 2 PL REPLACES Ø0.128 3 PL (ZN C5-2); Ø0.191 2 PL REPLACES Ø0.128 4 PL (ZN D1-2). REASON: SEE TR-0350-607-2 REV. B.	MB	10.07.05
A	NEW ISSUE	MB	10.06.22
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>b</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>b</i>	DRAWING NO. D4151	
CHECKED	<i>b</i>	REV. B SHEET 1 OF 3	
MFG. APPR.	<i>b</i>	TITLE BASKET FWD HARPOINT	
APPROVED	<i>b</i>	SCALE NTS	
DE APPR.	<i>b</i>	DATE 10.07.05	

COPYRIGHT © 2010 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

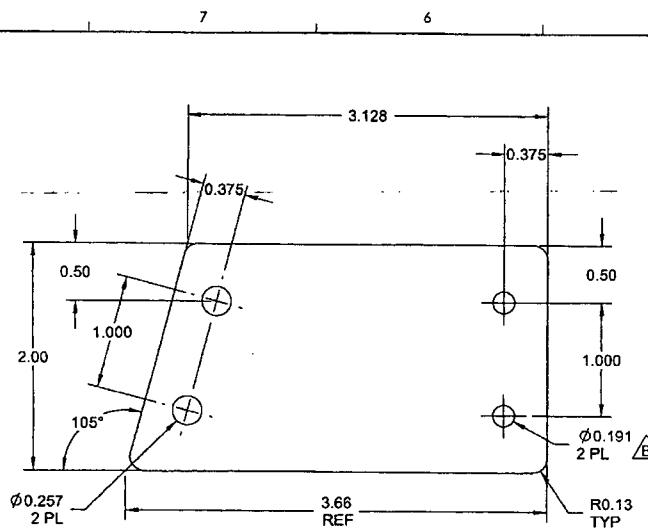
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

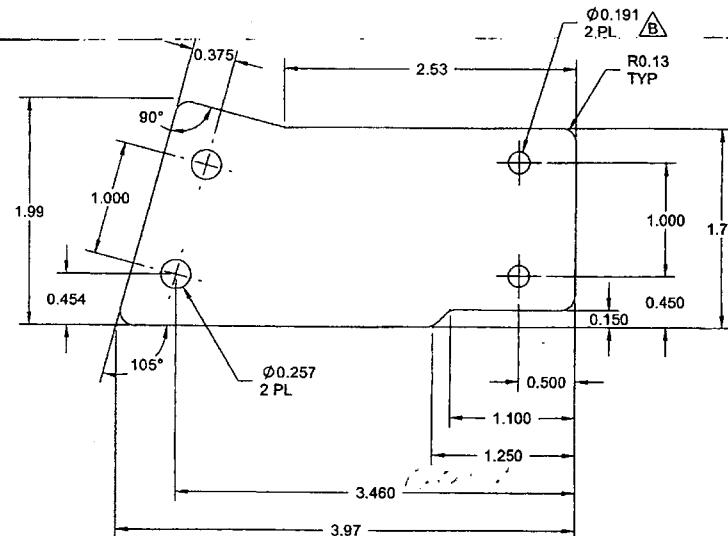
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D4151-1 LOWER HARDPOINT PLATE



D4151-3 UPPER HARDPOINT PLATE

RELEASED
2010-07-16
W/0 40898
MM

NOTES:

- 1) MATERIAL: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B, 0.125 THK
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S11GA OR M303S11GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY AT ASSEMBLY
- 7) WEIGHT:
- D4151-1 = 0.24 lbs
- D4151-3 = 0.23 lbs.

DESIGN	<i>1</i>	DART AEROSPACE LTD	
DRAWN	<i>A</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>CP</i>	DRAWING NO.	
MFG. APPR.	<i>CP</i>	REV. B	
APPROVED	<i>MM</i>	D4151	
DE APPR.	<i>MM</i>	SHEET 2 OF 3	
DATE	10.07.05	TITLE	
		SCALE	
		NTS	
BASKET FWD HARDPOINT			
COPYRIGHT © 2010 BY DART AEROSPACE LTD			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY OTHER PURPOSE OR COMMUNICATED TO OTHER PERSONS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD			

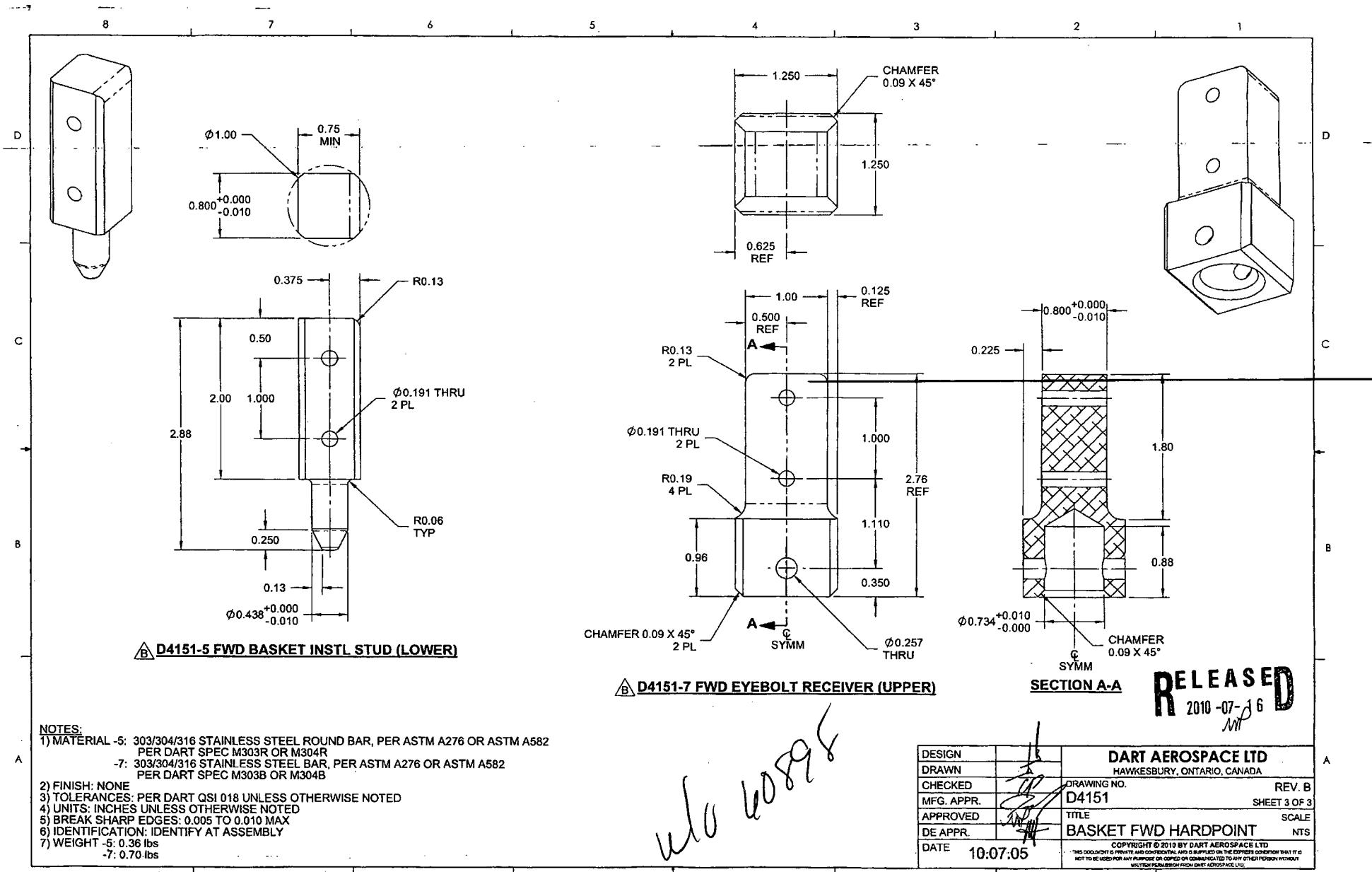
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries